INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH GOREGAON (EAST), MUMBAI

TENDER DOCUMENT FOR

Supply, Installation, Testing and Commissioning of the Next Generation Firewall at IGIDR

NIT No: IGIDR/Tender/2024-25/CC/01 Date: 12.12.2024

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH

Gen. A.K. Vaidya Marg, Film city Road, Santosh Nagar, Goregaon (EAST), MUMBAI-400065. TELEPHONE: 022 6909 6200 / FAX: 022 6909 6399.

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI

Notice Inviting Tender

"NAME OF THE WORK: **Supply, Installation, Testing, and Commissioning of the Next Generation Firewall** at INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH (IGIDR), GOREGAON, MUMBAI – 400 065."

1. Institute invites sealed bids from reputed vendors for the following work:

Name of work	Period of completion	Estimated Cost
(1)		
Supply, Installation, Testing and Commissioning of the Next Generation Firewall, IGIDR	8 weeks	10 lakhs

The tenders are invited from eligible agencies/systems integrators/resellers having relevant experience for the supply and installation and configuration of next generation Firewall. IGIDR reserves its right to award the work to the successful bidder.

2. Bidder must submit Earnest Money Deposit Rs 25,000/- only, along with the bid.

The tender bids in two bid systems are invited through two separate Emails to tender@igidr.ac.in:

"Email-1: EMD and Pre-Qualification/Technical Bid" & "Email-2: Financial bid". The subject of the email should be mentioned as- "Email-1: EMD & Prequalification/Technical Bid for Supply, Installation, Testing, and Commissioning of the Next Generation Firewall at IGIDR" and "Email-2: Financial Bid for Supply, Installation, Testing, and Commissioning of the Next Generation Firewall at IGIDR" respectively. All the bid documents should be attached as a PDF document or zip file, and the financial bid file should be protected with a password.

3. Last date of submission of the Tender document shall be up to 07 January 2025. No tender will be accepted

after 07 January 2025 under any circumstances whatsoever.

4. The Institute reserves the right to reject any prospective application without assigning any reasons whatsoever.

REGISTRAR

SECTION-A

LETTER OF OFFER *

Date _____

The Registrar, Indira Gandhi Institute of Development& Research, Gen. A.K. Vaidya Marg, Filmcity Road, Goregaon (East), Mumbai 400065.

Subject: Supply, Installation, Testing, and Configuration of Next Generation Firewall, IGIDR

Reference: NIT No: IGIDR/Tender/2024-25/CC/01

Date:

Dear Sir,

With respect to your above-mentioned tender, I / We hereby submit my / our tender in the required format along with Company Profiles and supporting documents.

Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the IGIDR the amount mentioned in the said Conditions.

I/We have deposited earnest money through NEFT/DD/BG/FDR or MSME certificate to the IGIDR, which will not bear any interest.

Should I/We fail to execute the contract when called upon to do so. I/We do hereby agree that this sum shall be forfeited by me/us to the IGIDR.

I / We have carefully gone through the terms and conditions prescribed and I / We accept the same without any alterations/modifications.

Yours faithfully,

Signature

Name & seal of Contracting

Agency/firm/company

*To be printed on company Letterhead and scanned or Digitally signed pdf document

SECTION-B

GENERAL INSTRUCTIONS TO TENDERER

Sealed Tender should be addressed to The Registrar, Indira Gandhi Institute of Development Research, Goregaon (East), Mumbai - 400065.

1. If applicable, Bidder has to submit the Earnest Money Deposit of Rs.25,000 through DD/FDR/BG/NEFT to "INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH", Account No: 010220100010001, IFS Code: BKID0000102, BRANCH NAME: I G I D R, BANK NAME: BANK OF INDIA and UTR NO with a screenshot of the transaction should be included in the part of the tender document towards Earnest Money.

2. A tender that is not accompanied by EMD (if applicable) will not be considered. The EMD will be returned to the bidder if the Institute does not accept their tender without Interest. The EMD paid by the successful bidder shall be held/encashed by the IGIDR as security for the execution and fulfillment of the contract. No interest shall be paid on this deposit.

3. Bidders who are exempted from submission of EMD should submit a copy of the certificate issued by Micro and Small Enterprises (MSEs).

4. The tender bids in two bid systems are invited through two separate Emails to <u>tender@igidr.ac.in</u>: "Email-1: Pre-Qualification/Technical Bid" and "Email-2: Financial bid". The subject of the email should be mentioned as- "Email-1: Prequalification/Technical Bid for Supply, Installation, Testing and Configuration of Next Generation Firewall, IGIDR" and "Email-2: Financial Bid for Supply, Installation, Testing, and Configuration of Next Generation Firewall, IGIDR," respectively. All the bid documents should be attached as a PDF document or zip file.

5. All the required documents should be scanned and merged either into a single PDF file or zipped into a single file and attached to the respective Emails. The Financial bid should be attached as a PDF document protected with a password, and the password to be shared at the time of the financial bid opening through an online meeting. The vendor should keep their password securely with them and be required to give it only when asked in online meetings for financial bid openings. If the bidder can NOT provide the password for the financial bid at the opening, their bid shall be rejected.

6. The bids will be received up to 07 January 2025 (End of the day). Each copy of the tender document is under their stamp and signature. No tender will be accepted after the due date under any circumstances whatsoever

7. The "Pre-qualification & Technical "Bid shall be opened by the tender opening committee on the next working day, 08 January 2025, at 2:30 PM through the online meeting platform. The link to the meeting will be shared with participating bidders. In case the Government declares a holiday on the day of opening the bids, the bids will be opened on the next working day at the same time.

8. **"Financial bid**" of only qualified bidders will be opened. The date of opening of the financial bid and link for the online meeting shall be informed by the institute to the qualified bidders. **The bidders should provide the password of the financial bid PDF file during the opening of the financial bid. If the bidder can NOT provide the password for the financial bid at the opening, their bid shall be rejected.**

9. Tenders bid shall remain valid for acceptance by the Institute for a period of three months from the date of opening of the tender, which period may be extended by mutual agreement, and the bidder shall not cancel or withdraw the bid during this period.

10. The bidder must use only the formats issued by the Institute to fill in the rates. Any addition/alteration in the text of the Tender form made by the bidder shall not be valid and shall be treated as null and void.

11. The Tender form must be filled in English. If any of the documents are missing or unsigned, the Institute may consider the tender invalid at its discretion.

12. Rates should be quoted in figures and words in the specified columns. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender void at the Institute's option. No advice whatsoever, especially on any change in rate specifications after the opening of the tender, will be entertained.

13. Each Page of the Tender Documents should be stamped and signed by the authorized person or persons submitting the Tender in token of his/their having acquainted himself/themselves with the General terms & conditions, specifications, special conditions of the contract, etc. as laid down. Any Tender with any of the documents not so signed will be rejected.

14. The successful bidder will have to deposit a Performance Security Deposit of 3% of the order value within 30 days of the receipt of the formal order. The performance security will be furnished in the form of an account payee Demand Draft, FDR or Bank Guarantee from a commercial bank drawn in favor of "The Registrar, Indira Gandhi Institute of Development Research, Mumbai" payable at Mumbai. The performance security should remain valid till the warranty period specified in the tender. This deposit shall be forfeited in case the contractor, who fails to discharge its duties/commitments or whose contract is terminated prematurely. No interest will be paid on the Security Deposit withheld by the Institute.

15. The Institute does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the Tenders, either in whole or in part, without assigning any reasons for doing so.

16. On receipt of intimation from the Institute of the acceptance of their tender, the successful vendor/contractor shall be bound to sign the formal contract /Purchase order and acknowledge the same within seven days as applicable.

17. Tender bid must include in their rates, applicable GST and any other tax and duty or other levies in force levied by the Central Government or any State Government or Local Authority if applicable and inclusive of all charges.

18. The intending bidder can obtain any clarifications regarding the tender document, scope of work, etc. if any from the office of the department **Computer Center**, **Mr**. **Lingaraj Panda**, **Email**: <u>lingaraj@igidr.ac.in</u>, <u>Tel:69096581</u>/548, Mobile:9967635444 on any Institute's working day.

I/We hereby declare that I/we have read and understood the above instructions which will remain binding upon me/us.

Place :

Signature of Bidder With the seal of their company

Date :

SECTION 'C' TERMS AND CONDITIONS

Upon the declaration of an intending vendor/bidder to be the Successful Bidder by the Institute, they shall be subject to the following terms and conditions that shall form part of the Formal Contract to be executed with the Institute.

1. The successful bidder shall not assign the sub-contract. In case of breach of these conditions, the IGIDR may serve a notice in writing on the Contractor rescinding the contract.

2. The successful bidder shall carry out all the work strictly in accordance with the scope of work, technical specifications, and as per detailed instructions of the Institute.

3. The successful bidder must cooperate with the other contractor appointed by the Institute so that the work shall proceed smoothly to the satisfaction of the Institute.

4. In all disputes arising from the work, the matter shall be referred to **The Registrar, Indira Gandhi Institute of Development Research, Goregaon,** for a mutual decision.

5. **Arbitration Clause**: In the event that the Successful Bidder is not satisfied by the decision of the Registrar, Indira Gandhi Institute of Development Research, the dispute shall be settled by arbitration in accordance with the provisions of the Arbitration and conciliation act, 1996 or any enactment thereof. The Arbitral Tribunal shall consist of one arbitrator appointed by the Institute. The place of arbitration shall be Mumbai, and any award, whether interim or final, shall be made, and shall be deemed for all purposes between the parties to be made in Mumbai. The arbitration proceedings shall be conducted in the English language and any award or awards shall be rendered in the English language. The procedural law of the arbitration shall be the Indian law. The arbitral tribunal's award shall be final, conclusive, and binding upon the Successful Bidder and the Institute.

6. **Payment Terms:**

i. 100% Payment will be released only after after the successful installation and commissioning of the next generation Firewall . No advance payment will be made.

ii.Income tax and all other applicable taxes shall be deducted at source as per prevailing Govt—rules in this regard.

Delivery & Installation: The items ordered must be delivered, installed, and commissioned within a period of 8 weeks from the date of placing the purchase order. The installation will be considered complete and the warranty period will commence only when all the hardware, software, etc. components are installed, commissioned and working satisfactorily.

8. Warranty and Support:

The equipment should have 3 years comprehensive onsite warranty (back-to-back with OEM) from the date of successful installation.

9. Penalty:

If the selected firm fails to deliver the service, a penalty (1% of the project value per week maximum 5%) to such effect would be charged. IGIDR reserves the right to forfeit the security deposit if any.

I/We hereby declare that I/we have read and understood the above terms and conditions that form part of the Formal Contract to be executed between I/us and the Institute. The same shall be binding upon me/us upon being declared as the Successful Bidder.

Date :

Signature of Bidder With the seal of their company

SECTION-'D'

PRE-QUALIFICATION CRITERIA

Pre-Qualification Documents to be submitted by Bidder along with Pre-qualification Bid:

Eligibility for Bidders

The Agencies that fulfil the following requirements shall be eligible to apply:

- a) Copy of Registration of Firm Certificate of Incorporation of company or Partnership deed.
- b) Copy of Registration of Goods & Service Tax and PAN
- c) Manufacturer's Authorization Form (MAF) for this tender
- d) The bidder should have an average annual turnover of INR **3** CR in the last 3 financial years. Submit copies of the audited Balance Sheet and Profit & Loss account OR CA Certificate for the last three years.
- e) Either the Registered Office or one of the Branch Offices of the bidder should be located in the territory of MMRDA.
- f) The OEM / their authorized partners should have at least executed a similar volume of works of supply, installation, and maintenance of for Firewall/UTM at the Government (State/ Central/Autonomous) organization/institutes/universities, as on tender submission deadline.
 - i) At least 01 similar work of value not less than Rs. 8 Lakh OR
 - ii) at least 02 similar works of value not less than Rs. 6 Lakh OR
 - iii) at least 03 similar works of value not less than 4 lakh. References order copy proof of completion certificate for the project must be provided.
- g) The bidder should not be blacklisted by any Govt. organization /PSU during the last 3 years. A declaration certificate to this effect is to be submitted as per the format given in Annexure-1.
- h) The bidder should submit a bank solvency certificate for tender estimated value or above.
- i) The Bidder must have prior experience in supply, installation, testing and commissioning of similar work supporting documents should be provided to verify the same.

Bidders must submit documentary proof in support of meeting each of the above minimum qualification criteria. A simple undertaking by the bidder for any of the stated criteria will not suffice for the purpose. All documentary proof must be listed on the letterhead of the company, to be submitted along with the qualification bid duly stamped and signed by the authorized person of the agency.

• Information to be furnished by the bidder: (as per annexure-C)

SECTION-'E'

Technical BID

IGIDR is deemed to be a university and an advanced research institute established by the Reserve Bank of India. It is spread across 14 acres of land and the institute has a small data center (server room).

The institute requires a next-generation firewall (NGFW) to secure its network infrastructure, supporting approximately 1000 devices. The NGFW should provide comprehensive security features, including advanced threat protection, application control, and deep packet inspection, while maintaining high performance and scalability.

IGIDR invites quotations from reputed vendors for supply, installation, testing, commissioning and support of industry-standard **Next Generation Firewall**.

Scope of work ;

- 1. Configuration of Network LAN & WAN
- 2. Create the policy for inbound & outbound.
- **3. NAT Policy**
- 4. Web filtering policy
- 5. User-based authentication
- 6. App-based policy
- 7. Location-based policy
- 8. Creation of different groups
- 9. Quality of service implementation
- 10. VPN Set-up
- 11. Set up for logging & reporting.
- 12. Load Balancing set-up
- 13. Configure Access Control Lists (ACLs)
- 14. Establish Firewall Zones and an IP Address Structure
- **15. WAF Protection.**

The proposed Firewalls should be configured in High availability (HA) mode in a setup.

The Firewall configuration should be done as per the best practice, and the existing service should be migrated /mapped to the new firewall (port forwarding to internal server), DMZ zone services, etc.

Subscription services should include IPS, Anti Bot Anti-Malware Protection (AMP), Anti Virus and Application Control, Anti-Phishing, Virus Outbreak Protection, AI-based Heuristic AV, Sandbox, URL, DNS and Video Filtering, and PSIRT Check.

Premium hardware and software service.

Reports and log : Should provide drill-down reporting features for all the activities and statutory requirements required by govt agencies for investigating any cyber security-related in incidents. The logs should be maintained for **6 months** in the cloud or on-premises firewall devices.

Support and Warranty:

- Minimum 3-years support with premium hardware support
- 24/7 technical support
- Access to software updates, patches, and new feature releases during the warranty/subscription period.

Compliance :

Sr.No	Technical Specifications	Complied (Yes/No)	Remarks
1	Must have fixed 8x 1/2.5/5Gig Copper Ports and 8 x 10G SFP+ Ports (populated with at least two 10G SR from day 1 in case of SFP+ ports).		
2	The threat prevention (FW + application control + IPS + Malware Protection) throughput should be at least 6Gbps for real world/enterprise mix traffic from day 1.Throughput should be available on single appliance, external device or clustering of multiple devices are not allowed.		
3	Proposed appliance should support latency not more than 5 µs. Bidder should submit publicly available download should be available for the same		
4	The proposed appliance should support IPSec throughput of 35Gbps from day 1. Throughput should be available on single appliance, external device or clustering of multiple devices are not allowed.		
5	The proposed appliance should support Application Control Throughput of min 25 Gbps from day 1.Throughput should be available on single appliance, external device or clustering of multiple devices are not allowed.		
6	The proposed appliance should support Concurrent sessions of 10M or above and New sessions / Sec of 350K or above from day 1.Parameter mentioned should be available on single appliance, external device or clustering of multiple devices are not allowed.		
7	The proposed appliance should support min 5000 firewall policies.		
8	The proposed solution should support HA in Active/Active and Active/Passive mode. HA should be supported on both IPV4 and IPV6.		
9	Should have at least 10 virtual firewall domains /instants/context from day-1 with each firewall domains/instances having a separate administrative control or equivalent, Security zones and VLAN.		
10	The proposed appliance should have SSL Inspection Throughput (IPS, avg. HTTPS) of min 6Gbps.		
11	The Proposed appliance should have internal Storage of 400GB SSD or higher		
13	The solution shall support two factor authentication for admin users and should provide two 2FA tokens from day 1.		
14	The solution must provide IP reputation feed that comprised of several regularly updated collections of poor reputation of IP addresses determined by the proposed security vendor		
15	Should support more than 5000+ application layer and risk-based controls that can invoke tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.		

16	The detection engine should support capability of detecting and preventing a wide variety of threats (e.g., malware, network probes/reconnaissance, VoIP attacks, buffer overflows, P2P attacks, etc.).	
17	Should be able to identify attacks based on Geo-location and define policy to block on the basis of Geo-location	
18	The detection engine should support the capability of detecting variants of known threats, as well as new threats	
19	The proposed OEM firewall solution should have capability to integrate with firewall analyzer tools like Tufin, Algosec etc. whenever required in future without any cost impliactions. Bidder need to proivde public available website link or document as a proof.	
20	Firewall should support Multicast protocols.	
21	Should support security policies based on group names in source or destination fields or both	
22	Should support capability to limit bandwidth on basis of apps/groups, Networks / Geo, Ports, etc.	
23	Proposed firewall should have SD WAN functionality from day 1 and should allow the use the most preferred link based upon Link characteristics (Latency, Jitter, Packet loss) for critical applications as defined in policy. Any license needed to have SD WAN features should be consider from day 1	
24	Solution should support traffic flow/packet forwarding on WAN links based on SLA.	
25	Solution should allow automatic/dynamic encrypted tunnels creation (without any manual configuring) between branch devices to enable branch to branch communication.	
26	Solution should support Dual WAN Links of different type like MPLS, ILL, broadband etc. in active -active mode, so that both links bandwidth can be utilized simultaneously from day 1.	
27	Solution, the policy should include the traffic steering based on the WAN link type (MPLS, Internet, or any of the type of WAN link) available at the branch location.	
28	Solution should support FEC (Forward Error Correction). The Error Correction packet size should automatically & progressively increase with increase in packet loss. It should be selectively applied to a particular traffic	
29	The proposed firewall should be IPv6 logo/USGv6 certified. Bidders need to provide Publicly available Website Link or document as a proof.	
30	The proposed product or product family or operating system should be EAL 4 or higher or NDPP certified.	
31	The proposed product or product family or operating system should be FIPS 140-2 or higher certified.	
32	Proposed solution should include licenses required to support above mentioned features and functionalities along with 24x7 remote support directly from OEM.	

BILL OF MATERIALS

Technical Specification for Next Generation Firewall

Please submit the BOM with all the parts, including make, model, part number, and product datasheet.

(To be submitted on company/Firm's Letterhead)

NIT No: IGIDR/Tender/2024-25/CC/01

S.No	Details	Qty	MAKE and MODEL
1	 Next Generation Firewall device with the following minimum specifications: Minimum of 8 x 1/2.5/5G Ethernet ports, Minimum of 8 x 10G SFP+ ports (populated with at least two 10G SR SFP+ modules from Day 1) Firewall throughput 25 Gbps with 64 bytes of UDP Threat Prevention throughput 6 Gbps IPsec VPN throughput 35 Gbps Max concurrent sessions 10M New sessions per second 350K A Minimum NG Firewall application control throughput in real world/production environment/Application Mix – minimum 25 Gbps with 64KB HTTP transactions. Minimum NG Threat prevention throughput in real world/production environment- minimum 6 Gbps Throughput. IPsec VPN throughput – minimum 35 Gbps or more and logging enabled New sessions per second – Min 3.5 lakh considering Concurrent sessions – Min 10M Max NGFW appliance should support 850K Concurrent SSL decryption sessions with IPS enabled 	2 no	
2	Bundle Software subscription for zero-day threat prevention for Next Generation Firewall.	3 years subscription with onsite support for hardware and software.	
3	One time Installation and configuration (includes fibre/cat6 patch cable connecting the firewall to core switch)		

SECTION-'G'

Financial BID

(To be submitted on company/Firms Letterhead)

NIT No: IGIDR/Tender/2024-25/CC/01 Schedule of RATES

OPTION -1

S.No	Details	Qty	Unit Price	Total Amount with Tax
1	Hardware: Next Generation Firewall device as per the technical specification	2 no		
2	Software license: Bundle Software subscription for thereat prevention for Next Generation Firewall.	3 years with support for Firewall		
3	One time Installation and confiuration (includes fiber patch cable connecting firewall to core switch)			
			Sub Total	
			GST @18%	
			Total	
Total in Words				

Annexure - A

FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT

To, The Registrar Indira Gandhi Institute of Development Research Film City Road, Santosh Nagar, Goregaon (East), Mumbai – 400 065.

We hereby confirm and declare that we, M/s ------, is not blacklisted/ Deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services during the last 5 years.

For M/s _____

Authorized Signatory Date:

Annexure - B

FORMAT FOR PERFORMANCE BANK GUARANTEE (PBG)

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONALISED COMMERCIAL BANKS (WHETHER SITUATED AT Mumbai OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT Mumbai)

To, The Registrar, Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065

LETTER OF GUARANTEE

WHEREAS for Indira Gandhi Institute of Development Research(IGIDR), Goregaon East, Mumbai-400065 (Buyer) has invited tender vide Tender NIT ...

dated, for xxxxxxxxx Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065

AND WHEREAS the said tender document requires that eligible successful bidder

on demand and without protest or demur Rs

.....(Rupees.).

...... situated at...... (Address of local branch).

Yours

truly, Signature and seal of the guarantor: Name of Bank: Address

Annexure - C

Sr. No.	Item	Information to be filled by Bidder
1	Name of the bidder	
2.	Address	
2	Telephone Number: Office: Mobile Number of contact person/account manager	
	Fax No. E-Mail address-	
3	Details of Registration (number & date)	
4	Month and Year in which the firm/company was formed/ incorporated.	
5	Type of organization (Sole Proprietor, Partnership, Pvt. Ltd., Public Ltd., etc.)	
6	Enclose copy of the partnership deed, Articles of Association, or Affidavit (in case of firm)	
7	Average Annual Turnover of Last Three Financial Year (attached audited balance sheet & profit & Loss account)	FY 2023-24 FY 2022-23 FY 2021-22
8	NEFT BANK DETAILS	

Annexure - D

Checklist of Documents to be submitted

(Please attach the following documents only and save the tree)

- 1. EMD (DD/FD/BG/UTR details in case of NEFT) or copy of MSME certificate
- 2. Offer letter in your company letterhead with stamp and sign
- 3. Manufacturer's Authorization Form (MAF) for this tender
- 4. Copy of Registration of Firm Certificate of Incorporation of company or Partnership deed.
- 5. Copy of Registration of Goods & Service Tax and PAN
- 6. Copy of last 3 years' audited balance sheet and profit loss account only.
- 7. If asked in PQ, OEM certificate/ authorization letter related to the tender.
- 8. Reference Purchase order / Work order copy of clients for similar work as per PQ
- 9. Declaration certificate (not blacklisted) as per Annexure -A
- 10. Stamped/Signed copy of this tender document
- 11. Technical bid documents with stamp and sign, product data sheets
- 12. Financial bid on company letterhead with stamp and sign **enclosed in separate Email/envelope** as per general instruction in tender